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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,004	06/21/2005	Yasushi Takano	0033-1008PUS1	8050
2292 7590 01/05/2009 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				
EXAMINER ABU ALL SHUANGYI				
ART UNIT		PAPER NUMBER		
1793				
NOTIFICATION DATE		DELIVERY MODE		
01/05/2009		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary

Application No.

10/540,004

Applicant(s)

TAKANO ET AL.

Examiner

SHUANGYI ABU ALI

Art Unit

1793

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/ICE)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Status of Claims

Claims 1-11 remain for examination.

Claim Rejections - 35 USC § 103

The rejection of claims 1-3 and 6-11 under 35 U.S.C. 103(a) as being unpatentable over U. S. Patent No. 6,617,409 to Yukawa et al., in view of U. S. Patent No. 6,177,196 B1 to Brothers et al. as generally set forth in the previous office action mailed 07/11/2008 stands.

The rejection of claim 4 under 35 U.S.C. 103(a) as being unpatentable over combined teaching of U. S. Patent No. 6,617,409 to Yukawa et al. and U. S. Patent No. 6, 177,196 B1 to Brothers et al., further in view of U. S. Patent No. 6,489,396 B2 to Nakamura et al. as generally set forth in the previous office action mailed 07/11/2008 stands.

The rejection of claim 5 under 35 U.S.C. 103(a) as being unpatentable over combined teaching of U. S. Patent No. 6,617,409 to Yukawa et al. and U. S. Patent No. 6, 177,196 B1 to Brothers et al., further in view of U. S. Patent No. 5,216,081 to Mohri et al. as generally set forth in the previous office action mailed 07/11/2008 stands.

The text of those sections of title 35 US Code not included in this action can be found in the prior Office Action.

Response to Arguments

Applicant's arguments filed 10/14/2008 have been fully considered but they are not persuasive. Therefore, the grounds of rejection for claims 1-11 as indicated in the previous Office Action stands.

Applicant argues that Brother's copolymer has the benefit of anti-reflective properties among providing other benefits to the pigment, such as "chemical resistance, release lubricity, anti-staining, ice release, low dielectric constant", therefore it teaches away from the teaching of Yukawa et al. The Examiner respectfully submits that Yukawa et al. teaches metallic pigments can be treated with copolymers to obtain suitable property. Brother et al. teaches that copolymer with fluorine and phosphor can provide antireflective, chemical resistance, release lubricity, anti-staining, ice release, and low dielectric constant et al. property to the pigment. It is the position of the examiner that it is within one of ordinary skill in the art to apply copolymers to obtain suitable property according to the application. A reference is good not only for what it teaches but also for what one of ordinary skill might reasonably infer from the teachings. *In re Opprecht* 12 USPQ 2d 1235, 1236 (CAFC 1989); *In re Bode* USPQ 12; *In re Lamberti* 192 USPQ 278; *In re Bozek* 163 USPQ 545, 549 (CCPA 1969); *In re Van Mater* 144 USPQ 421; *In re Jacoby* 135 USPQ 317; *In re LeGrice* 133 USPQ 365; *In re Preda* 159 USPQ 342 (CCPA 1968). In addition, "A reference can be used for all it

realistically teaches " See *In re Van Marter*, 144 USPQ 421. It is further noted that the degree of the reflectivity is not claimed in the instant application. Just because Brother teaches benefits that might be associated with the specific polymer and Yukawa et al. does not want all of said benefits does not exclude it from being applicable as a coating as the examiner has applied because it is to be noted that Brother uses the polymer to coat a metal substrate and this is considered to be a pigment to an extent. In addition, in order for a refer to "teach away" it must be state that this polymer can not be used in the manner as depicted by the examiner and the reference never makes such a statement. Applicants provide no clear evidence that one could not and would not under any circumstance use the polymer disclosed by Brother to coat a pigment as defined by Yukawa et al. especially in view of the fact that it is within one of ordinary skill in the art to apply copolymers to obtain suitable property according to the application thereof.

Applicant argues that the combined teaching of Brother's copolymer has the fluorine and phosphor in the same monomer. The Examiner respectfully submits that combined teaching of Yukawa et al. and Brother copolymer containing fluorine and phosphor atom comes from different monomers, therefore, the fluorine and phosphor are in the different side chain. It is true that the Brother's fluorine monomer has phosphor group, however, The Examiner respectfully submits that the instant claims do not use the transition phrase "consist of", therefore, the claims are open. The claims do not limit that all the fluorine and all the phosphor groups are in different chains.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHUANGYI ABU ALI whose telephone number is (571)272-6453. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorenzo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael A Marcheschi/
Primary Examiner, Art Unit 1793

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